

WALZ- UND BANDBEHANDLUNGSANLAGEN
ROLLING MILLS AND STRIP PROCESSING LINES

SUNDWIG

Ihr Zeichen / Your reference

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Hemer, Feb 25, 2003

Flatness Control System with Screening System

Dear Sir or Madam,

In the past, we have repeatedly used our flatness control systems also on rolling mills, on which strips split from wide strip are rolled with asymmetric wedge-shape thickness cross-sections.

Since the wedge-shape strips are wound on the recoller with a different tightness over the width, an accordingly irregular introduction of the tensile stresses into the strip is resulting. This has a corresponding effect on the shapemeter system and invalidates the measured result.

Since the wedge-shape strips show moreover a mistracking towards the tightly wound side, additional tension distortions are resulting which invalidate the measured result. For the above-mentioned reasons, flatness control systems could not be used on these lines or only to a limited degree.

We have in the meantime used the screening system developed by the BFI on several rolling mills which roll wedge-shape strips, so as to avoid the described measured value invalidations. The previous results are showing that the strip flatness is measured faultlessly with the screening system, so that the flatness control system can also be used without limitation. A clear quality improvement and production increase could be achieved on the rolling lines.

Yours faithfully
 SUNDWIG GmbH

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